

Max. 9 m<sup>3</sup>/h

# DC axial fans

□ 40 x 10 mm

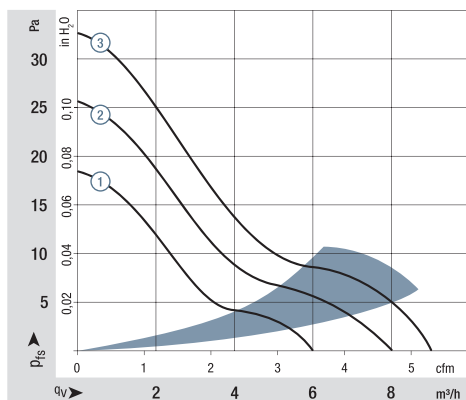


- **Material:** Housing: GRP<sup>1)</sup> (PBT)  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Exhaust over struts
  - **Direction of rotation:** Counterclockwise, looking towards rotor
  - **Connection:** Via single wires AWG 28, TR 64
  - **Highlights:** Some models are suitable for use at high ambient temperatures
  - **Weight:** 17 g
- **Possible special versions:** (See chapter DC fans - specials)
    - Speed signal
    - Go / NoGo alarm
    - Moisture protection

1) Fiberglass-reinforced plastic

| Series 400 F                               |          |                   |                 |               |                      |     |   |                   |               |                   |  |  |  |       |
|--|----------|-------------------|-----------------|---------------|----------------------|-----|---|-------------------|---------------|-------------------|--|--|--|-------|
| Nominal data                               | Air flow |                   | Nominal voltage | Voltage range | Sound pressure level |     | Sinter sleeve bearings<br>Ball bearings | Power consumption | Nominal speed | Temperature range | Service life L <sub>10</sub> (20 °C)<br>ebm-papst standard | Service life L <sub>10</sub> (60 °C)<br>ebm-papst standard | Life expectancy L <sub>10</sub> IPC<br>(40 °C) see page 17 | Curve |
|  | Type     | m <sup>3</sup> /h |                 |               | cfm                  | VDC |   |                   |               |                   |  |  |  |       |
| 405 F                                      | 8        | 4.7               | 5               | 4.5...5.5     | 22.1                 | 4.4 | □                                       | 0.7               | 5 400         | -20...+70         | 45 000 / 17 500  | 47 500   | ②  |       |
| 405 FH                                     | 9        | 5.3               | 5               | 4.5...5.5     | 26.0                 | 4.6 | □                                       | 0.9               | 6 000         | -20...+70         | 45 000 / 17 500  | 47 500   | ③  |       |
| 412 FM                                     | 6        | 3.5               | 12              | 10...14       | 17.0                 | 3.8 | □                                       | 0.5               | 4 300         | -20...+70         | 45 000 / 17 500  | 47 500   | ①  |       |
| 412 F                                      | 8        | 4.7               | 12              | 10...14       | 22.1                 | 4.4 | □                                       | 0.7               | 5 400         | -20...+70         | 45 000 / 17 500  | 47 500   | ②  |       |
| 412 FH                                     | 9        | 5.3               | 12              | 10...14       | 26.0                 | 4.6 | □                                       | 0.8               | 6 000         | -20...+70         | 45 000 / 17 500  | 47 500   | ③  |       |
| 414 F                                      | 8        | 4.7               | 24              | 20...28       | 22.1                 | 4.4 | □                                       | 0.8               | 5 400         | -20...+70         | 45 000 / 17 500  | 47 500   | ②  |       |
| 414 FH                                     | 9        | 5.3               | 24              | 21.6...26.4   | 26.0                 | 4.4 | □                                       | 0.9               | 6 000         | -20...+70         | 45 000 / 17 500  | 47 500   | ③  |       |
| Model with temperature range up to +85 °C. |          |                   |                 |               |                      |     |   |                   |               |                   |  |  |  |       |
| 412 FM-074                                 | 6        | 3.5               | 12              | 10...14       | 17.0                 | 3.8 | □                                       | 0.4               | 4 300         | -20...+85         | 45 000 / 17 500  | 47 500   | ①  |       |
| 412 F-130                                  | 8        | 4.7               | 12              | 10...14       | 22.1                 | 4.4 | □                                       | 0.6               | 5 400         | -20...+85         | 45 000 / 17 500  | 47 500   | ②  |       |
| 412 FH-132                                 | 9        | 5.3               | 12              | 10...14       | 26.0                 | 4.6 | □                                       | 0.8               | 6 000         | -20...+85         | 45 000 / 17 500  | 47 500   | ③  |       |

Subject to change



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> measured at 1 m distance from fan axis.  
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.  
In the event of deviation from the standard configuration, the parameters must be checked after installation!  
For detailed information see <http://www.ebmpapst.com/general conditions>

